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54414 7590 11/17/2008

MYERS BIGEL SIBLEY & SAJOVEC, P.A.
P.O. BOX 37428
RALEIGH, NC 27627

EXAMINER

GUZMAN, APRIL S

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 11/17/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/535,033	05/13/2005	Marcus Soderlund	9694-2	3566

TITLE OF INVENTION: FLEXIBLE CONDUCTORS CONNECTED BETWEEN TWO PARTS OF A PORTABLE ELECTRONIC DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/17/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

54414 7590 11/17/2008
MYERS BIGEL SIBLEY & SAJOVEC, P.A.
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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)

(Signature)

(Date)

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nonprovisional	NO	\$1510	\$300	\$0	\$1810	02/17/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
GUZMAN, APRIL S	2618	455-575100

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).	2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
<input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.	1_____
<input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.	2_____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____

(B) RESIDENCE: (CITY AND STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:	4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
<input type="checkbox"/> Issue Fee	<input type="checkbox"/> A check is enclosed.
<input type="checkbox"/> Publication Fee (No small entity discount permitted)	<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.
<input type="checkbox"/> Advance Order - # of Copies _____	<input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)	<input type="checkbox"/> a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.	<input type="checkbox"/> b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).
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NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS; SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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54414	7590	11/17/2008		EXAMINER
MYERS BIGEL SIBLEY & SAJOVEC, P.A.				GUZMAN, APRIL S
P.O. BOX 37428				ART UNIT
RALEIGH, NC 27627				PAPER NUMBER
				2618
				DATE MAILED: 11/17/2008

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 111 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 111 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability	Application No.	Applicant(s)	
	10/535,033	SODERLUND, MARCUS	
	Examiner	Art Unit	
	APRIL S. GUZMAN	2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 08/13/2008.
- The allowed claim(s) is/are 1-5 and 7-18.
- Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - All
 - Some*
 - None
 of the:
 - Certified copies of the priority documents have been received.
 - Certified copies of the priority documents have been received in Application No. _____.
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date _____.
 - including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
 Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- Notice of References Cited (PTO-892)
- Notice of Draftsperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 05/13/05,01/10/07
- Examiner's Comment Regarding Requirement for Deposit of Biological Material
- Notice of Informal Patent Application
- Interview Summary (PTO-413),
Paper No./Mail Date _____.
- Examiner's Amendment/Comment
- Examiner's Statement of Reasons for Allowance
- Other _____.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Purks (Reg. # 40,133) on November 4, 2008.

Regarding independent claims 1 and claim 17, the Attorney has agreed to cancel the limitation "to exert forces on the first and second parts that guide the rotational movement of the first and second parts about the hinge."

The claims read as follows:

1. A portable electronic device comprising:

a first part comprising electrical circuits and having an exterior side, an interior side, and top and bottom sides;

a second part comprising electrical circuits and having an exterior side, an interior side and top and bottom sides;

at least one hinge connecting the bottom sides of the first and second parts to each other and allowing rotation of one of the first and second parts approximately 360 degrees relative to the other of the first and second parts;

a first set of flexible electrical conductors connected to the first part at the exterior side adjacent the bottom side thereof and connected to the second part at the interior side adjacent the

bottom side thereof while the first and second parts have a defined rotational angle therebetween; and

a second set of flexible electrical conductors connected to the second part at the exterior side adjacent the bottom side thereof and connected to the first part at the interior side adjacent the bottom side thereof while the first and second parts have the defined first rotational angle therebetween. wherein the first and second sets of flexible electrical conductors are spaced apart on opposite sides of the hinge.

17. A portable electronic device comprising:

a first part comprising electrical circuits and having an exterior side, an interior side, and top and bottom sides;

a second part comprising electrical circuits and having an exterior side, an interior side and top and bottom sides;

at least one hinge connecting the bottom sides of the first and second parts to each other and allowing rotation of one of the first and second parts approximately 270 degrees relative to the other of the first and second parts;

a first set of flexible electrical conductors connected to the first part at the exterior side adjacent the bottom side thereof and to the second part at the interior side adjacent the bottom side thereof while the first and second parts have a defined rotational angle therebetween; and

a second set of flexible electrical conductors connected to the second part at the exterior side adjacent the bottom side thereof and to the first part at the interior side adjacent the bottom side thereof while the first and second parts have the defined first rotational angle therebetween,

wherein the first and second sets of flexible electrical conductors are spaced apart on opposite sides of the hinge,

wherein the first part comprises an image captioning unit having a lens on the interior side of the first part, and the second part comprises a display on the interior side of the second part, and

wherein the first and second set of flexible electrical conductors electrically connect the electrical circuits of the first and second parts.

Reasons for Allowance

Claims 1-5, and 7-18 are allowed.

The following is an examiner's statement of reasons for allowance:

Consider **claim 1**, the best prior art of record during the examination of the present application, **Goldenberg (U.S. Patent # 5,363,089)**, fail to specifically teach, suggest, or disclose, a portable electronic device comprising: a first part comprising electrical circuits and having an exterior side, an interior side, and top and bottom sides; a second part comprising electrical circuits and having an exterior side, an interior side and top and bottom sides; at least one hinge connecting the bottom sides of the first and second parts to each other and allowing rotation of one of the first and second parts approximately 360 degrees relative to the other of the first and second parts; *a first set of flexible electrical conductors connected to the first part at the exterior side adjacent the bottom side thereof and connected to the second part at the interior side adjacent the bottom side thereof* while the first and second parts have a defined rotational angle therebetween; and *a second set of flexible electrical conductors connected to the second*

part at the exterior side adjacent the bottom side thereof and connected to the first part at the interior side adjacent the bottom side thereof while the first and second parts have the defined first rotational angle therebetween, wherein *the first and second sets of flexible electrical conductors are spaced apart on opposite sides of the hinge.*

Goldenberg teach a data communication receiver 100, having a hinged mechanism whereby a first body portion 105 may be rotated with respect to a second body portion 110 (column 2 lines 63-67). A receiver board 205, on which receiver circuitry is mounted, is disposed within a cavity formed in the first body portion 105. A decoder board 210, disposed within a cavity formed in the second body portion 110, is coupled to the receiver board 205 by an electrical connector, such as a flexible circuit 215 (column 3 lines 14-22). The flexible circuit 215, which electrically couples receiver board 205 to the decoder board 210, is fed through a first opening 405 formed in an inside surface of the first body portion 105. The flexible circuit 215 is of sufficient length to wind along the first smooth area 305, through the gap 320, and along the second smooth area 310. The flexible circuit 215 is then fed through a second opening 410 in an outside surface of the second body portion 110 (column 4 lines 27-44). The first and second body portions 105, 110 may be rotated into a variety of different positions and held securely therein by the hinged mechanism 300 (column 4 lines 60-67).

These teachings clearly differ from the claimed invention, therefore, claim 1 is considered novel and non-obvious over the prior art and therefore claim 1 is allowed. Claims 2-5 and 7-16 depend on claim 1; therefore claims 2-5 and 7-16 are also allowed.

Consider **claim 17**, the best prior art of record during the examination of the present application, **Goldenberg (U.S. Patent # 5,363,089)**, fail to specifically teach, suggest, or

disclose, a portable electronic device comprising: a first part comprising electrical circuits and having an exterior side, an interior side, and top and bottom sides; a second part comprising electrical circuits and having an exterior side, an interior side and top and bottom sides; at least one hinge connecting the bottom sides of the first and second parts to each other and allowing rotation of one of the first and second parts approximately 270 degrees relative to the other of the first and second parts; *a first set of flexible electrical conductors connected to the first part at the exterior side adjacent the bottom side thereof and to the second part at the interior side adjacent the bottom side thereof* while the first and second parts have a defined rotational angle therebetween; and *a second set of flexible electrical conductors connected to the second part at the exterior side adjacent the bottom side thereof and to the first part at the interior side adjacent the bottom side thereof* while the first and second parts have the defined first rotational angle therebetween, wherein *the first and second sets of flexible electrical conductors are spaced apart on opposite sides of the hinge*, wherein the first part comprises an image captioning unit having a lens on the interior side of the first part, and the second part comprises a display on the interior side of the second part, and wherein the first and second set of flexible electrical conductors electrically connect the electrical circuits of the first and second parts.

Goldenberg teach a data communication receiver 100, having a hinged mechanism whereby a first body portion 105 may be rotated with respect to a second body portion 110 (column 2 lines 63-67). A receiver board 205, on which receiver circuitry is mounted, is disposed within a cavity formed in the first body portion 105. A decoder board 210, disposed within a cavity formed in the second body portion 110, is coupled to the receiver board 205 by an electrical connector, such as a flexible circuit 215 (column 3 lines 14-22). The flexible circuit

215, which electrically couples receiver board 205 to the decoder board 210, is fed through a first opening 405 formed in an inside surface of the first body portion 105. The flexible circuit 215 is of sufficient length to wind along the first smooth area 305, through the gap 320, and along the second smooth area 310. The flexible circuit 215 is then fed through a second opening 410 in an outside surface of the second body portion 110 (column 4 lines 27-44). The first and second body portions 105, 110 may be rotated into a variety of different positions and held securely therein by the hinged mechanism 300 (column 4 lines 60-67).

These teachings clearly differ from the claimed invention, therefore, claim 17 is considered novel and non-obvious over the prior art and therefore claim 17 is allowed. Claim 18 depend on claim 17; therefore claim 18 is also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any response to this Office Action should be **faxed to (571) 273-8300 or mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

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Randolph Building

401 Dulany Street
Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to April S. Guzman whose telephone number is 571-270-1101. The examiner can normally be reached on Monday - Thursday, 8:00 a.m. - 5:00 p.m., EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Anderson can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/April S. Guzman/
Examiner, Art Unit 2618

/Duc Nguyen/
Supervisory Patent Examiner, Art Unit 2618